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**The interface message processor for the ARPA computer network**

FE Heer, RE Kohn, SM Crutcher, ... of the May 5-7, 1970 ... 1970 - portal.acm.org  
 ... Snapshots are summaries of the internal status of queue lengths and routing information, ... to occur at roughly the same time in all network IMPs; a Host receiving such snapshot messages could presumably build up an instantaneous picture of overall network status. ...  
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**[PDF] A Tactical Data Network Bandwidth Design and Simulation Tool**[\[PDF\] from psd.edu](#)

JMD Hill, CA Gower, ... SIMULATION SERIES, 2000 - CiteSeer  
 ... The Network Bandwidth Design, Simulation, and Management Tool ... It will also include a higher fidelity, incorporating battalion and lower tactical entities, and perhaps interfacing the lower-level function to OpNet, NetCracker, or other device-level network simulators. ...  
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**Simulation of distributed processing networks**

M Teuchy, ... Computer Networks and ISDN Systems, 1990 - Elsevier  
 ... Also the user may specify an intermediate device of "LOCAL" for messages which do not leave the originating node ... [2] J. Labetoulle, EG Manning and RW Peebles, "A Homogeneous Network Analysis and Simulation", Computer Networks, Vol. 1, No. ...  
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**Guest Editor's Overview ... Queuing Network Models of Computer System Performance**

GS Graham - ACM Computing Surveys (CSUR), 1978 - portal.acm.org  
 ... replace a subsystem in the simulation of an entire system, thereby simplifying the overall simulation ... of CPU instructions executed per burst and the routing behavior of jobs through the network) ... must know the number of jobs, their service time requirements per device, and their ...  
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**A distributed approach to queueing network simulation**

JK Perrow, JW Wong - ... on Winter simulation-Volume 2, 1979 - portal.acm.org  
 ... process creation, blocking and unblocking, timeouts, and input/output through appropriate device drivers ... the times decrease monotonically with additional processors, we note that the simulation with two ... The results for the next example, a network with a single fork, are given in ...  
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**Communication protocol for statistical data multiplexers arranged in a wide area network**

RS Sen - US Patent 5,153,676, 1992 - Google Patents  
 ... u CD CO KO O CO OS OD O CO UJ OVJ CD IUR S A 3 INPUT QUEUE 1 0 ... layer 31 is the physical interconnection between a first device A and a second device B. In ... Broadcast messages can also be used to distribute other information such as network configuration data and ...  
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**A signaling level simulation for IS-95 mobile communication network**

LP Chiu, NH Liu, SV Chen, ... Conference, 1998 - VTC ... 2002 - ieee.ieee.org  
 ... terminated call (total call) 3. Loading of the percentage of the certain network equipment is ... are proposed to execute this simulation tested: Step 0 When we start the simulation, the main ... Step 2 Describe the BSC topological configuration: enter the number of device and click the ...  
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[\[PDF\] from ntu.edu.tw](#)**Network design consideration for distributed control systems**

FL Lian, J Moyné, ... Control Systems Technology, ... 2002 - ieee.ieee.org  
 ... The trend of the simulation result with actual network and device delays here agrees with the DeviceNet case in the previous section, except for the exact sampling periods where the system performance degrades. ...  
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**A scalable architecture for the rapid prototyping of aircraft cockpits**

BR Givens - ... 1980 Proceedings of the IEEE, 1980 ... 2002 - ieee.ieee.org  
 ... This text is automatically routed over the network to one workstation to provide a centralized ... The Simulation Application Software is the second layer in the software architecture. ... The second layer components control the interface to the device and standard computing models. ...  
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**Simulation of hypercube architectures using Network II.5**

PD Mason - Southeastern '90 Proceedings, ... 2002 - ieee.ieee.org  
 ... This results with a queue that may be full at most times, a high utilization for the transmission device between the two and the overall utilization I E Proceedings - 1980 Southeastern 459 Page 4. ... Simulation was performed using NETWORK II.5 and proved feasible. ...  
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A **wireless sensor network** (WSN) consists of spatially distributed autonomous ... an electronic circuit for **interfacing** with the sensors and an energy ... When the sensors detect the **event** being monitored (heat, pressure), .... A recent article on agent-based **simulation** published in the IEEE **Communications** magazine ...

**Mobile agent simulation - ViSiDiA**

visidia.labri.fr/doc/user\_manual/html/user\_manualch2.html - Cached

The Graphical User **Interface** (GUI) consists in four parts: ... and start a new **message-passing simulation** with fixed processes and local **network**. ... You can display **statistics** about the **mobile agent** simulation, using the "**Statistics**" ... The sensor **communication** distance can be set in the ViSiDiA/Preferences menu. ...

**A signaling level simulation for IS-95 mobile communication network**

ieee-explorers.ieee.org › ... › Conferences › Vehicular Technology Conference  
by L.P. Chin - 16/99

Aug 6, 2002 - A signaling level **simulation** for IS-95 **mobile communication network** ... The testbed consists of an **interface**, a **simulator**, a database, plus a display of the **statistical** output. ... efficiency, **event** management, network device, network link, performance evaluation, signaling level prototype ...

**[PDF] SIMULATION OF A WIRELESS COMMUNICATIONS NETWORK WHICH EMPLOYS ...**

dl66eeerx.ist.psu.edu/viewdoc/download?doi=10.1.1.41.28158rep...

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by D Grace - Cited by 4 - Related articles

**SIMULATION OF A WIRELESS COMMUNICATIONS NETWORK WHICH** ... time stamping each **event**. Channel usage results are presented from the **simulations** which show that the ... mitter power **statistics** are also included to illustrate ...

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drum.lib.umd.edu/bitstream/1903/5919/1/TR\_97-53.pdf

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by JS Baras - 1997 - Cited by 6 - Related articles

**event simulation** of tactical **communication networks** to generate **statistical** parameters for higher-level, hierarchical, analytical models to permit fast ... of **mobile** users surrounding rapidly deployable cellular base stations. .... graphical user **interface** GUI which forms the client. Thus, while **simulations** ...

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"Network" is meant in a broader sense that includes wired and wireless ... Horizon employs a centralized (master-worker) parallel event execution scheme which ... interface feature to support runtime selection of simulation modules from a ... a new fork of INET Framework developed for hybrid networking research . ...

[\[PDF\] GrooveNet: A Hybrid Simulator for Vehicle-to-Vehicle Networks](#)

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same network models are used both in simulation and real mobile ... network interfaces, GPS and events triggered from the vehicle's on-board computer. ...

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**simulation** results to show that this **hybrid network** ... and **cellular** coverage. The trade-off between the ... **interfaces**, one for the **cellular** channel and the other ..., **message** to the BS when it wants to leave a multicast ...

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same **network** models are used both in **simulation** and real **mobile** ... **network interfaces**, GPS and **events** triggered from the vehicle's on-board computer. ...

### Simple LTE for 4G Mobile Broadband: June 2011

[simplelte4g.blogspot.com/2011\\_06\\_01\\_archive.html](http://simplelte4g.blogspot.com/2011_06_01_archive.html) - Cached  
Jun 1, 2011 - **Hybrid wireless networks** provide combined medium access methods selected from ... areas without **cellular** coverage thus is a challenging design goal. ... The analysis and **simulation** results present the throughput comparison .... The TDMA **cellular interface** allows the HWN\* to take advantage of multi ...

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Apr 5, 2007 – They include, **CDMA 2000, UMTS, TRAU, GSM, and GPRS Protocol Analyzers**, ... of any **GSM network** directly from a Quad band **wireless** phone. ... Emulate and Analyze TRAU traffic at Abis **interface** with various Codecs such as ...

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14, ULTS-A750-6560, Spirent SR3420 **Wireless Network Emulator** (with **GSM** and **UMTS Air Interface** Support), Spirent GSS6560 **GPS Simulator**, ULTS v5.11 or later, ...

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Centralized download of statistics and CDRs over web **interface**. ... 1) iGATE **GSM** 32 VoIP 32 channel **mobile gateway** (**UMTS** 2100 MHz, ... remote **VoIP** and **mobile networks** – including **GSM**, **3G UMTS** and **CDMA** – and can switch between each .... **GSM**-module (including the so -called algorithm of "sim-card motion **simulation**") ...

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**UMTS GSM, GPRS, CDMA** (IS-95 and IS-99), **W-CDMA, Wireless Assisted Global Positioning** ... and **simulation of Data, Wireless and Broadband Networks** (3GPP based **UMTS** ... Design of **Interface Controls** between the various modules in the Client ...

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the Global System for **Mobile Communications** (**GSM**) including **GSM** evolved radio ... Specified the first **UMTS 3G networks**, incorporating a **CDMA air interface** ... **SIM** high-speed protocol and contactless front-end **interface** (Near Field ...

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Jun 9, 2006 – Systems: **UMTS, Corporate GSM, GSM based cellular system, CDMA based cellular** ... **Network Simulator NS-2, GeoProbe, Agilent Signaling Analyzer** ... Design of **Interface Controls** between the various modules in the Client ...

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Publication Year: 2011, Page(s): 1141 - 1146  
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**Simulation of 8 kbps ACELP over GSM platform**

Wan Lai, Li Kun, Jang Ling, Kuang Jingming,  
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Publication Year: 2000. Page(s): 952 - 959 vol.2

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**Active optical flex module for ultra-short distance data applications**

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**Turbo coded software radio performance over a UHF satellite channel**

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Y. Yang, P. Eugradia... ACM SIGCOMM Simulation Digest, 1998 - portal.scm.org  
... section that is capable of scaling up to networks with thousands of heterogeneous nodes. ... to support the visual design of PARSEC programs or to visually configure simulation models using ... A straightforward approach is to map each network node to a single simulation object, ie, ...  
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... **Heterogeneous** nodes can be connected into a **network** controlled by a tool called Simics ... a minimum latency on every **message** passed, allowing the entire distributed **simulation** to be ... To overlap host **network** latency with **simulation**, Simics Central uses a **two-phased** clocking ...  
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GA Guest... - Concurrency: Practice and ..., 1992 - Wiley Online Library ... The monitoring facility of the XPVM interface will soon be able to display event information dynamically to assist in ... 303 NETWORK-BASED COMPUTING ON THE PVM SYSTEM ... The main issues in porting PICL to a heterogeneous environment are discussed in this Section. ... Cited by 340 - Related articles - All 30 versions

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... the advantages of CORBA and DEVS may provide a **heterogeneous, network-centric, distributed ...**  
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In this section we discuss **simulation of DEVS models and associated interface ...**  
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... based approach, and is defined as a facility with a well-defined **interface** ... It enables interoperability of **simulation** components, via the Internet Inter-ORB (Object Request ... Protocol (IIOP) [1], which may be developed in different languages, **heterogeneous** environments, and ...

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hundred thousand nodes linked by a **heterogeneous** communications capability ... 4. GloMoSim  
Library GloMoSim is a scalable **simulation** library for **wireless network** systems built ...  
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GF Riley, MH Amisier, RF Fujimoto, D Xu., - fortcs, 2001 - computer.org  
... However, when exchanging event messages between heterogeneous simulators, several interesting problems arise ... address these issues, we introduce the Dy-namic Simulation Backplane, which ... The backplane creates a dy-namic format for network event messages, which is ...  
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A. Sagarin, J. Dongarra, J. J. Lee et al. / Computer, 2002, 35(6):696-706  
... **simulation**, engineering design, and circuit analysis, are best served by concurrent processing. ...  
Real-time monitoring is particularly apropos in a **heterogeneous** multiprogramming environment  
where ... speeds result from both heterogeneous and external CPU and **network** loads ...  
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... among different nodes in a abstractions for distributed computing that enable a variety **network** ensemble of (potentially) **heterogeneous** machines. ... Keeping the distributed pro- eo with one another via shared memory; communication gramming **interface** orthogonal to the ...

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